



Missile Defense Agency STEM Outreach Program Review July 15, 2015

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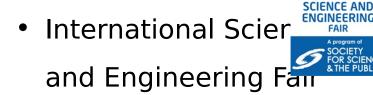
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Participation

- Public, Private, and Home
 School
- 9 Counties
 Colbert, Cullman, Franklin, Jackson, Lauderdale,

Lawrence, Limestone, Madison, Marshall and Morgan

- 350 project average
- 14 unique categories
- 2nd largest in the s



(ISEF), affiliated







Participation - 2015

	Entrie	
Elementary Division	<u></u> <u>S</u>	
Behavioral & Social	0	
Science	8	
Biological Science	11	
Environmental Science	14	
Physical Science	40	
Junior Division		
Animal Science	8	
Behavioral & Social	28	
Science		
Chemistry	23	
Earth & Space Science	5 32 16	
Engineering	32	
Environmental Science	16	
Math & Computers	7	
Medicine & Health	19	
Physical Science	50	
Plant Science	8	
Senior Division		
Behavioral & Social		
Science		
Chemistry &	9	
Biochemistry		
Engineering	9	
Environmental Science	8	
Medicine & Health	8	
Microbiology	4	
Physics & Astronomy	9 8 8 4 8	
Plant Science	4	

	# of High	# of Junior	TOTAL				
	School	High	S				
			3				
	(grades 9-12)	(grades 5-8)					
Student							
Male	30	136	166				
Female	29	176	205				
Total # of Students	59	312	371				
Project							
Individual	53	233	286				
Team	3	36	39				
Total # of Projects	56	269	325				
School							
Public	4	18	22				
Private	5	6	11				
Total # of Schools	9	24	33				

55% Female 45% Male 67% Public School

46% Physical Science, Engineering, Math & Computer, Physics & Astronomy, Earth & Space

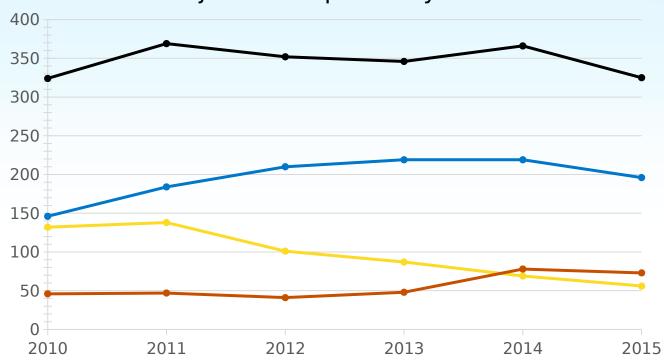
34% Biological, Environmental, Chemistry, Medicine & Health, Microbiology

19% Behavioral & Social, Animal, Plant Science

COLLEGE OF ENGINEERING

Participation - Historic

NARSEF Project Participation by Division







Sponsors



Raytheon



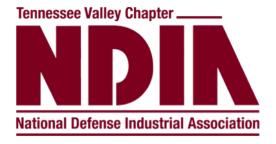
















Judging

2 types of awards

- Category
 Placement (1st-3rd & HM)
- Special Awards
 Sponsored by group

3 Divisions

- Elementary4 categories
- Junior10 categories
- Senior8 categories

9:00 - 9:30 am 9:30 - 10:00 am 10:00 - 11:30 am 11:30 - 12:30 pm Sample Agenda Judges briefing on Fair information Judging begins Grades 5-8 stand with Projects Lunch Grades 9-12 stand with Projects

Judges finalize scores



2:30 - 3:00pm



Judging

Elementary & Junior Division	Entries	Judges	Min./Stu
Animal Science	8	2	11
Behavioral & Social Science	เ สกเ	3	3
Biological Science	11	3	8
Chemistry	23	3	4
Earth & Space Science	5	2	18
Engineering	32	3	3
Environmental Science	30	4	3
Math & Computers	7	2	13
Medicine & Health	19	3	5
Physical Science (Gr.5)	40	4	2
Physical Science (Gr.6-8)	50	6	2
Plant Science	8	3	11
Total	269	39	

Senior Division	Entries	Judges	Min./Stu
Behavioral & Social Science	. n	2	15
Engineering	17	1	5
Physics & Astronomy		7	
Chemistry & Biochemistry	21		
Medicine & Health		4	4
Microbiology			
Environmental Science		2	0
Plant Science)	0
Total	56	13	

Additional judging for large categories to ensure quality interviews with students.



